

Worksheet

1. In a science lab acid and water are mixed in ratio $2:7$ to make a solution. In a bottle has 360 ml of solution. Find acid and water quantity.
2. Divided $\text{₹}4500$ in ratio $2:3$.
3. Divide $\text{₹}1350$ among A, B, C in ratio $2:3:4$.
4. Rekha and Suman started a food cart business near a school, investing $\text{₹}75000$ and $\text{₹}50000$ respectively. At the end of 1st month they gained $\text{₹}8000$. If they share the profit in the same ratio of their investment find profit share of each.
5. A mixture of 40 kg contains sand and cement in ratio $3:1$. How much cement should be added to the mixture to make the ratio of sand to cement $5:2$?
6. How much ~~red~~ blue and yellow colours are mixed in ratio $3:5$ to produce 40 L of green paint? To make the

Paint lighter shade of green, 20L of yellow is added in mixture. Find new ratio of blue and yellow in the paint.

7. The present age of A and B in ratio $8:3$. Six years later their age ratio will be $9:4$. Find their present age.

8. Two numbers are in ratio $5:9$. On subtracting 3 from each, the ratio becomes $1:2$. Find the numbers.

9. What number must be added to each term of ratio $9:16$ to make the ratio $2:3$?

10. Two numbers are in ratio $3:4$. If their LCM is 180, find the numbers.

11. What number must be subtracted from each term of the ratio $17:33$ so that the ratio becomes $7:15$?

12. The ratio of monthly income to savings of a family is $11:2$. If the savings be ₹ 2500, find the monthly income and expenditure of the family.